



OCT 28 2004

FORM PTO-1449

INFORMATION DISCLOSURE STATEMENT

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ATTY. DOCKET NO.
0942.4200002/RWE/AWLAPPLICATION NO.
10/728,766APPLICANT(S)
Chatterjee *et al.*FILING DATE
December 8, 2003ART UNIT
1652

U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB-CLASS	FILING DATE
M.R.	AAI	4,405,720	09/20/1983	Merril	—	—	01/18/1982
	ABI	4,468,466	08/28/1984	Morrissey	—	—	02/16/1982
	ACI	4,507,233	03/26/1985	Saito <i>et al.</i>	—	—	04/18/1983
	ADI	4,575,452	03/11/1986	Lee <i>et al.</i>	—	—	09/21/1984
	AEI	4,677,196	06/30/1987	Rausch <i>et al.</i>	—	—	09/06/1985
	AFI	4,766,224	08/23/1988	Rausch	—	—	08/19/1985
	AGI	4,782,027	11/01/1988	Lee <i>et al.</i>	—	—	01/22/1987
	AHI	4,920,059	04/24/1990	Moeremans <i>et al.</i>	—	—	06/12/1985
	AII	5,132,439	07/21/1992	Shultz <i>et al.</i>	—	—	11/19/1990
	AJI	5,273,906	12/28/1993	Shultz <i>et al.</i>	—	—	07/20/1992
M.R.	AKI	5,279,792	01/18/1994	Moeremans <i>et al.</i>	—	—	06/03/1991

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EXAMINER INITIAL		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB-CLASS	TRANSLATION
M.R.	ALI	WO 92/01707	02/06/1992	WIPO	—	—	Yes No
M.R.	AMI	WO 96/17942	06/13/1996	WIPO	—	—	Yes No
M.R.	ANI	WO 97/28248	08/07/1997	WIPO	—	—	Yes No
	AO						Yes No
	AP						Yes No

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

M.R.	AR	1	Allen, R.C., and Budowle, B., "Component Visualization," in <i>Gel Electrophoresis of Proteins and Nucleic Acids</i> , Walter De Gruyter, Berlin, Germany, pp. 204-272 (1994)
M.R.	AS	1	Ausubel, F.M., <i>et al.</i> , "Protein Expression," in <i>Current Protocols in Molecular Biology</i> , Vol. 2, John Wiley & Sons, Inc., Hoboken, NJ, pp. 16.4.1-16.8.14 (1994)
M.R.	AT	1	Barger, B.O., <i>et al.</i> , "Estimation of Molecular Weight by Polyacrylamide Gel Electrophoresis Using Heat Stable Fluorophors," <i>Anal. Biochem</i> , 70:327-335, Academic Press (1976)

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M. R. Chatterjee

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R.R.	AA2	5,292,646	03/08/1994	McCoy <i>et al.</i>			07/28/1992
	AB2	5,330,902	07/19/1994	Keck <i>et al.</i>			01/15/1993
	AC2	5,449,758	09/12/1995	Hartley			12/02/1993
	AD2	5,605,691	02/25/1997	Carroll			09/29/1993
	AE2	5,616,502	04/01/1997	Haugland <i>et al.</i>			05/19/1995
R.R.	AF2	5,705,649	01/06/1998	Shultz <i>et al.</i>			11/09/1995
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	AP						Yes
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OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

R.R.	AR	2	<p>Betton, J-M., and Hofnung, M., "Folding of a Mutant Maltose-binding Protein of <i>Escherichia coli</i> Which Forms Inclusion Bodies," <i>J. Biol. Chem.</i> 271:8046-8052, American Society for Biochemistry and Molecular Biology (1996)</p>
R.R.	AS	2	<p>BIORAD, "Electrophoresis and Blotting Standards. Protein Standards," <i>Life Science Research Products, Price List S</i>, p. 316, (1993)</p>
R.R.	AT	2	<p>Bosshard, H.F., and Datyner, A., "The Use of a New Reactive Dye for Quantitation of Prestained Proteins on Polyacrylamide Gels," <i>Anal. Biochem.</i> 82:327-333, Academic Press (1977)</p>

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re-re.	AR	3	Buchner, J., and Rudolph, R., "Renaturation, Purification and Characterization of Recombinant F _{ab} -Fragments Produced in <i>Escherichia coli</i> ," <i>Biotechnology</i> 9:157-162, Nature Pub. Co. (1991)
re-re.	AS	3	Carter, P., "Site-Specific Proteolysis of Fusion Proteins," in <i>Protein Purification: From Molecular Mechanisms to Large-Scale Processes</i> , American Chemical Society Symposium Series, Vol. 427, Ladisch, M.R., <i>et al.</i> , eds., American Chemical Society, Washington, DC, pp. 181-193 (1990)
re-re.	AT	3	Chatterjee, D.K., <i>et al.</i> , "Cloning and overexpression of the gene encoding bacteriophage T5 DNA polymerase," <i>Gene</i> 97:13-19, Elsevier Science (1991)

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R.R.	AR	4	Chatterjee, D.K., <i>et al.</i> , "Genetic organization of the <i>Kpn</i> I restriction-modification system," <i>Nucl. Acids Res.</i> 19:6505-6509, Oxford University Press (1991)
R.R.	AS	4	Coburn, G.A., and Mackie, G.A., "Overexpression, Purification, and Properties of <i>Escherichia coli</i> Ribonuclease II," <i>J. Biol. Chem.</i> 271:1048-1053, American Society for Biochemistry and Molecular Biology (1996)
R.R.	AT	4	Dalmia, B.K., <i>et al.</i> , "Domain E of <i>Bacillus macerans</i> Cyclodextrin Glucanotransferase: An Independent Starch-Binding Domain," <i>Biotechnol. Bioeng.</i> 47:575-584, Wiley Interscience (1995)

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R.R.	AR	5	Datyner, A., and Finnimore, E.D., "A Prestaining Method for the Quantitative Assay of Proteins on Polyacrylamide Gels," <i>Anal. Biochem.</i> 55:479-491, Academic Press (1973)
R.R.	AS	5	Dekker, N., <i>et al.</i> , "In vitro folding of <i>Escherichia coli</i> outer-membrane phospholipase A," <i>Eur. J. Biochem.</i> 232:214-219, Blackwell Science (1995)
R.R.	AT	5	Derman, A.I., and Beckwith, J., " <i>Escherichia coli</i> Alkaline Phosphatase Localized to the Cytoplasm Slowly Acquires Enzymatic Activity in Cells Whose Growth Has Been Suspended: a Caution for Gene Fusion Studies," <i>J. Bacteriol.</i> 177:3764-3770, American Society for Microbiology (1995)

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R.R.	AR	6	Flynn, E., <i>et al.</i> , "Protein Analysis with the BenchMark™ Protein Ladders," <i>Focus</i> 19:33-35, Life Technologies (1997)
R.R.	AS	6	Georgiou, G., <i>et al.</i> , "Localization of Inclusion Bodies in <i>Escherichia coli</i> Overproducing β -Lactamase or Alkaline Phosphatase," <i>Appl. Environ. Microbiol.</i> 52:1157-1161, American Society for Microbiology (1986)
R.R.	AT	6	Griffith, I.P., "Immediate Visualization of Proteins in Dodecyl Sulfate-Polyacrylamide Gels by Prestaining with Remazol Dyes," <i>Anal. Biochem.</i> 46:402-412, Academic Press (1972)

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re-re.	AR	2	Haugland, R, "Handbook of Fluorescent Probes and Research Chemicals. Section 1.5, Dyes with Absorption Maxima Between 500 and 540 nm," pp. 25-29, Molecular Probes Inc., available at: http://web.archive.org/web/19970607210142/www.probes.com/acrobat/ch01-5.pdf
re-re.	AS	2	Haugland, R, "Handbook of Fluorescent Probes and Research Chemicals. Section 1.6, Long-Wavelength Dyes," pp. 29-35, Molecular Probes Inc., available at: http://web.archive.org/web/19970607210142/www.probes.com/acrobat/ch01-6.pdf
re-re. ✱	AT	2	Hitomi, Y., <i>et al.</i> , "High Efficiency Prokaryotic Expression and Purification of a Portion of the Hepatitis C Core Protein and Analysis of the Immune Response to Recombinant Protein in BALB/c Mice," <i>Viral Immunol.</i> 8:109-119, Mary Ann Liebert Inc. (1995)

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R.R.	AR	8	Hochuli, E., and Piesceki, S., "Interaction of Hexahistidine Fusion Proteins with Nitrilotriacetic Acid-Chelated Ni ²⁺ Ions," <i>METHODS: A Companion to Methods in Enzymology</i> 4:68-72, Academic Press (1992)
R.R.	AS	8	Höög, J-O., <i>et al.</i> , "Nucleotide sequence of the thioredoxin gene from <i>Escherichia coli</i> ," <i>Biosci. Rep.</i> 4:917-923, The Biochemical Society (1984)
R.R.	AT	8	Kim, S-O., and Lee, Y.I., "High-level expression and simple purification of recombinant human insulin-like growth factor I," <i>J. Biotechnol</i> 48:97-105, Elsevier Science (1996)

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R.R.	AR	2	Kuhelj, R., <i>et al.</i> , "The preparation of catalytically active human cathepsin B from its precursor expressed in <i>Escherichia coli</i> in the form of inclusion bodies," <i>Eur. J. Biochem.</i> 229:533-539, Blackwell Science (1995)
R.R. AS	AS	2	LaVallie, E.R., <i>et al.</i> , "A Thioredoxin Gene Fusion Expression System That Circumvents Inclusion Body Formation in the <i>E. coli</i> Cytoplasm," <i>Biotechnology</i> 11:187-193, Nature Pub. Co. (1993)
R.R.	AT	2	Lunn, C.A., <i>et al.</i> , "Amplification and Purification of Plasmid-encoded Thioredoxin from <i>Escherichia coli</i> K12," <i>J. Biol. Chem.</i> 259:10469-10474, American Society of Biological Chemists Inc. (1984)

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<i>R.R.</i>	AR	<u>10</u>	Magin, T.M., <i>et al.</i> , "Analysis of cytokeratin domains by cloning and expression of intact and deleted polypeptides in <i>Escherichia coli</i> ," <i>EMBO J.</i> 6:2607-2615, IRL Press Ltd. (1987)
<i>R.R.</i>	AS	<u>10</u>	Molecular Probes, "Conjugation with Amine-Reactive Probes," Product Information Sheet MP0143, p.1-8 (1996)
<i>R.R.</i>	AT	<u>10</u>	Molecular Probes Catalog, "Handbook of Fluorescent Probes and Research Chemicals," 6th Edition, pp. 9-10 (1996)

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R. Honshik

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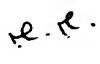
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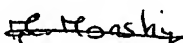
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re. re. 	AR	11	Neophytou, P.I., <i>et al.</i> , "Development of a procedure for the direct cloning of T-cell epitopes using bacterial expression systems," <i>J. Immunol. Methods</i> 196:63-72, Elsevier Science (1996)
re. re. 	AS	11	Oberfelder, R.W., <i>et al.</i> , "Protein Expression by Inclusion," <i>FASEB J.</i> 11:A1200, Abstract No. 2007, Federation of American Societies for Experimental Biology (July/August 1997)
re. re. 	AT	11	Oeda, K., <i>et al.</i> , "Formation of Crystals of the Insecticidal Proteins of <i>Bacillus thuringiensis</i> subsp. <i>aizawai</i> IPL7 in <i>Escherichia coli</i> ," <i>J. Bacteriol.</i> 171:3568-3571, American Society for Microbiology (1989)

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R.M.	AR	12	Rinas, U., and Bailey, J.E., "Overexpression of Bacterial Hemoglobin Causes Incorporation of Pre- β -Lactamase into Cytoplasmic Inclusion Bodies," <i>Appl. Environ. Microbiol.</i> 59:561-566, American Society for Microbiology (1993)
R.R.	AS	12	Sambrook, J., <i>et al.</i> , "Expression of Cloned Genes in <i>Escherichia coli</i> ," in <i>Molecular Cloning: A Laboratory Manual, Second Edition</i> , Cold Spring Harbor Laboratory Press, Cold Spring Harbor, NY, pp. 17.2-17.9 (1989)
R.R.	AT	12	Schneider, E., <i>et al.</i> , "Functional Purification of a Bacterial ATP-Binding Cassette Transporter Protein (MalK) from the Cytoplasmic Fraction of an Overproducing Strain," <i>Protein Expr. Purif.</i> 6:10-14, Academic Press (1995)

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FOREIGN PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB-CLASS	TRANSLATION
	AL						Yes No
	AM						Yes No
	AN						Yes No
	AO						Yes No
	AP						Yes No

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EXAMINER

H. H. H. H.

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INFORMATION DISCLOSURE STATEMENTATTY. DOCKET NO.
0942.4200002/RWE/AWLAPPLICATION NO.
10/728,766APPLICANT(S)
Chatterjee *et al.*FILING DATE
December 8, 2003ART UNIT
~~1652~~ 1653**U.S. PATENT DOCUMENTS**

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